



Complete Summary

TITLE

Epilepsy: the percentage of patients age 18 years and over on drug treatment for epilepsy who have a record of seizure frequency in the previous 15 months.

SOURCE(S)

British Medical Association (BMA). Quality and outcomes framework guidance. London (UK): British Medical Association (BMA); 2006. 132 p.

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of patients aged 18 years and over on drug treatment for epilepsy who have a record of seizure frequency in the previous 15 months.

RATIONALE

Epilepsy is the most common serious neurological condition, affecting about 5 to 10 per 1000 of the population at any one time. Few epilepsies are preventable, but much of the handicap that results could be prevented by appropriate clinical management. For the purposes of the Quality and Outcomes Framework (QOF), epilepsy is defined as 'more than one seizure.' This measure is one of four [Epilepsy](#) measures.

According to the Scottish Intercollegiate Guidelines Network (SIGN) 70 guideline (2003), it is recommended that the following information should be recorded routinely in patients' notes at each review:

- Seizure type and frequency, including date of last seizure
- Antiepileptic drug therapy and dosage
- Any adverse drug reactions arising from antiepileptic drug therapy
- Key indicators of the quality of care, i.e., topics discussed and plans for future review

National Institute for Clinical Excellence (NICE) clinical guidelines 20 (2004) suggests that 'all individuals with epilepsy should have a regular structured review ...in adults this review should be carried out at least yearly by either a generalist or a specialist.' This guidance therefore supports the current epilepsy indicators which are in essence the component parts of an annual structured review.

PRIMARY CLINICAL COMPONENT

Epilepsy; seizure frequency

DENOMINATOR DESCRIPTION

Patients age 18 years and over on drug treatment for epilepsy

NUMERATOR DESCRIPTION

Number of patients from the denominator who have a record of seizure frequency in the previous 15 months

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence
- A formal consensus procedure involving experts in relevant clinical, methodological, and organizational sciences

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [\(1\) Diagnosis and management of epilepsy in adults. A national clinical guideline. \(2\) Diagnosis and management of epilepsy in adults. Update to printed guideline.](#)
- [The diagnosis and management of the epilepsies in adults and children in primary and secondary care.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement
National reporting
Pay-for-performance

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age greater than or equal to 18 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

See "Rationale" field.

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Living with Illness

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Patients age 18 years and over on drug treatment for epilepsy*

*Note: The Quality and Outcomes Framework (QOF) includes the concept of exception reporting. This has been introduced to allow practices to pursue the quality improvement agenda and not be penalised, where, for example, patients do not attend for review, or where a medication cannot be prescribed due to a contraindication or side-effect.

The following criteria have been agreed for exception reporting:

- A. patients who have been recorded as refusing to attend review who have been invited on at least three occasions during the preceding twelve months
- B. patients for whom it is not appropriate to review the chronic disease parameters due to particular circumstances, e.g., terminal illness, extreme frailty
- C. patients newly diagnosed within the practice or who have recently registered with the practice, who should have measurements made within three months and delivery of clinical standards within nine months, e.g., blood pressure or cholesterol measurements within target levels
- D. patients who are on maximum tolerated doses of medication whose levels remain suboptimal
- E. patients for whom prescribing a medication is not clinically appropriate, e.g., those who have an allergy, another contraindication or have experienced an adverse reaction
- F. where a patient has not tolerated medication

- G. where a patient does not agree to investigation or treatment (informed dissent), and this has been recorded in their medical records
- H. where the patient has a supervening condition which makes treatment of their condition inappropriate, e.g., cholesterol reduction where the patient has liver disease
- I. where an investigative service or secondary care service is unavailable.

Refer to the original measure documentation for further details.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Patients age 18 years and over on drug treatment for epilepsy

Exclusions

See "Description of Case Finding" field for exception reporting.

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition

Therapeutic Intervention

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients from the denominator who have a record of seizure frequency in the previous 15 months

Exclusions

Unspecified

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Medical record
Registry data

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

External comparison at a point in time
Internal time comparison
Prescriptive standard

PRESCRIPTIVE STANDARD

Payment stages: 40-90%

EVIDENCE FOR PRESCRIPTIVE STANDARD

British Medical Association (BMA). Quality and outcomes framework guidance.
London (UK): British Medical Association (BMA); 2006. 132 p.

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Epilepsy 6. The percentage of patients age 18 and over on drug treatment for epilepsy who have a record of seizure frequency in the previous 15 months.

MEASURE COLLECTION

[Quality and Outcomes Framework Indicators](#)

MEASURE SET NAME

[Epilepsy](#)

DEVELOPER

British Medical Association
National Health System (NHS) Confederation

ENDORSER

National Health Service (NHS)

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2004 Apr

REVISION DATE

2006 Feb

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

British Medical Association (BMA). Quality and outcomes framework guidance. London (UK): British Medical Association (BMA); 2006. 132 p.

MEASURE AVAILABILITY

The individual measure, "Epilepsy 6. The percentage of patients age 18 and over on drug treatment for epilepsy who have a record of seizure frequency in the

previous 15 months," is published in the "Quality and outcomes framework guidance." This document is available in Portable Document Format (PDF) from the [British Medical Association Web site](#).

NQMC STATUS

This NQMC summary was completed by ECRI on May 22, 2006. The information was verified by the measure developer on August 11, 2006.

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